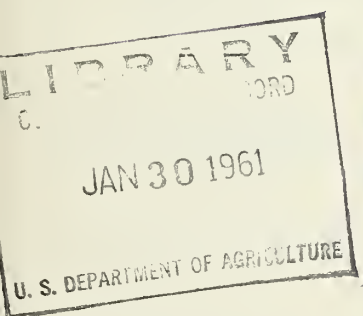


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UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE

X Tables on Hatchery and Flock Participation in the
National Poultry Improvement Plan
By States and Divisions, 1958-59 and 1959-60 and
U. S. Summary, 1954-55 to date X



HIGHLIGHTS

Pullorum-typhoid infection, as measured by the percentage of reactors on the first test of birds to be used as breeders, reached a new low of .018 percent.

The proportion of hatching egg capacity qualifying as U. S. Pullorum-Typhoid Clean has increased steadily during the past five years, from 70.4 percent in 1954-55 to 93.6 percent last year. Similarly, during the same period the percentage of birds in U. S. Pullorum-Typhoid Clean flocks increased from 80.4 to 96.8.

The average egg capacity of participating hatcheries, about 165,000 in 1959-60 as compared to 148,000 the previous year, is consistent with the trend toward fewer and larger hatcheries. Total egg capacity of participating hatcheries declined from 401.6 million the previous year to 375.6 million.

The average number of birds in hatchery supply flocks, 980 in 1959-60, has more than doubled during the past five years. During the same period, the total number of birds in participating flocks has varied only from a low of 34.8 million in 1955-56 to a high of 39.9 million in 1958-59.

Table 1 - Hatchery Participation in the National Poultry Improvement Plan,
by States and Divisions, 1958-59 and 1959-60

State and Division	1958-59		1959-60	
	Number	Egg Capacity	Number	Egg Capacity
Maine	25	7,663,798	21	6,893,118
New Hampshire	23	3,901,300	16	3,639,000
Vermont	8	242,080	8	220,080
Massachusetts	59	4,252,992	40	3,783,120
Rhode Island	7	344,616	6	341,280
Connecticut	69	8,469,175	61	8,618,875
New York	53	5,454,960	40	5,469,920
New Jersey	58	10,624,590	51	8,794,990
Pennsylvania	78	13,696,258	75	13,801,780
NORTH ATLANTIC	380	54,649,769	318	51,562,163
Ohio	122	13,719,153	101	11,879,180
Indiana	189	26,167,000	183	24,991,000
Illinois	150	18,018,335	133	17,102,278
Michigan	63	5,434,627	57	4,692,995
Wisconsin	51	5,013,760	41	5,017,720
EAST NORTH CENTRAL	575	68,352,875	515	63,683,133
Minnesota	261	24,575,886	143	17,349,176
Iowa	125	15,583,080	108	13,950,400
Missouri	122	23,387,812	115	22,650,020
North Dakota	33	2,206,986	15	1,519,651
South Dakota	51	4,956,560	46	4,731,240
Nebraska	55	6,024,271	47	4,657,773
Kansas	89	6,348,504	83	6,078,010
WEST NORTH CENTRAL	736	83,083,099	557	70,946,270
Delaware	19	10,363,500	16	9,590,000
Maryland	44	14,198,340	30	15,335,720
Virginia	62	13,930,930	45	11,342,590
West Virginia	18	2,202,876	14	1,914,800
North Carolina	134	20,518,815	120	20,982,487
South Carolina	27	3,293,200	22	3,435,700
Georgia	158	39,298,436	147	40,874,552
Florida	44	5,178,015	37	5,313,884
SOUTH ATLANTIC	506	108,984,112	431	108,789,733
Kentucky	56	4,905,080	48	4,763,700
Tennessee	39	4,772,440	33	4,289,440
Alabama	68	15,797,329	56	13,144,877
Mississippi	61	15,372,218	58	15,544,666
Arkansas	59	14,542,843	55	14,666,042
Louisiana	11	1,367,340	7	1,072,000
Oklahoma	36	5,028,080	31	4,681,460
Texas	31	6,062,520	24	4,284,520
SOUTH CENTRAL	361	67,847,850	312	62,436,705
Montana	12	903,300	12	911,300
Idaho	22	1,328,330	19	1,246,460
Wyoming	2	95,000	2	95,000
Colorado	13	1,433,000	12	1,201,000
New Mexico	1	50,000	1	50,000
Arizona	6	290,000	5	398,000
Utah	7	833,000	10	1,063,000
Washington	29	4,084,770	29	4,339,380
Oregon	35	3,278,200	31	3,092,600
California	32	6,425,736	26	5,774,960
WESTERN	159	18,721,336	147	18,171,700
UNITED STATES	2,717	401,639,041	2,280	375,589,704

Information in this report was compiled by the Animal Husbandry Research Division,
Agricultural Research Service.

**Table 2 - Flock Participation in the National Poultry Improvement Plan,
by States and Divisions, 1958-59 and 1959-60**

State and Division	1958-59			1959-60		
	Flocks	Birds	Avg. birds per flock	Flocks	Birds	Avg. Birds per flock
Maine	859	2,232,211	2,599	520	1,732,549	3,332
New Hampshire	158	1,006,216	6,368	159	665,893	4,188
Vermont	90	204,513	2,272	105	200,874	1,913
Massachusetts	197	717,955	3,644	146	510,489	3,497
Rhode Island	34	46,482	1,367	36	30,050	835
Connecticut	122	739,027	6,058	139	616,653	4,436
New York	147	503,947	3,428	154	495,124	3,215
New Jersey	250	675,387	2,702	165	527,358	3,196
Pennsylvania	1,058	1,462,781	1,383	914	1,437,016	1,572
NORTH ATLANTIC	2,915	7,588,519	2,603	2,338	6,216,006	2,659
Ohio	2,648	1,101,078	416	1,903	825,927	434
Indiana	5,726	2,498,648	436	4,646	2,615,551	563
Illinois	4,150	1,360,381	328	2,709	1,064,705	393
Michigan	644	418,847	650	411	308,609	751
Wisconsin	962	493,705	513	729	390,046	535
EAST NORTH CENTRAL	14,130	5,872,659	416	10,398	5,204,833	501
Minnesota	2,884	1,816,396	630	1,623	1,276,269	786
Iowa	3,997	1,605,282	402	2,685	1,304,683	486
Missouri	7,173	2,187,639	305	6,069	2,106,902	347
North Dakota	537	142,310	265	443	122,244	276
South Dakota	670	256,565	383	525	245,157	467
Nebraska	1,186	488,306	412	794	367,536	463
Kansas	1,772	537,928	304	1,061	398,351	375
WEST NORTH CENTRAL	18,219	7,034,426	386	13,200	5,821,142	441
Delaware	201	461,348	2,295	273	533,489	1,954
Maryland	580	347,932	597	414	278,003	672
Virginia	1,351	1,210,289	896	1,032	1,058,519	1,026
West Virginia	572	175,427	307	391	113,618	291
North Carolina	2,891	3,817,065	1,320	1,841	3,296,552	1,791
South Carolina	316	405,922	1,285	225	416,931	1,853
Georgia	1,574	4,748,281	3,017	1,147	4,784,437	4,171
Florida	95	325,872	3,430	63	259,046	4,112
SOUTH ATLANTIC	7,580	11,492,136	1,516	5,386	10,740,595	1,994
Kentucky	1,912	496,688	260	1,175	317,011	270
Tennessee	648	400,403	618	472	430,016	911
Alabama	590	1,406,282	2,384	565	1,784,039	3,158
Mississippi	600	1,287,912	2,147	428	1,557,938	3,640
Arkansas	1,093	1,335,255	1,222	884	1,434,037	1,622
Louisiana	149	324,359	2,177	101	260,126	2,576
Oklahoma	775	212,324	274	663	229,252	346
Texas	299	551,593	1,845	182	371,725	2,042
SOUTH CENTRAL	6,066	6,014,816	992	4,470	6,384,144	1,428
Montana	106	75,619	713	78	63,125	809
Idaho	114	85,585	751	120	82,418	687
Wyoming	20	4,798	240	14	4,176	298
Colorado	201	62,002	308	148	57,491	388
New Mexico	2	540	270	---	-----	---
Arizona	13	22,961	1,766	8	26,588	3,324
Utah	66	95,401	1,445	44	73,684	1,675
Washington	241	461,260	1,914	191	476,431	2,494
Oregon	520	509,789	980	337	406,453	1,206
California	140	615,981	4,400	106	543,698	5,129
WESTERN	1,423	1,933,936	1,359	1,046	1,734,064	1,658
UNITED STATES	50,333	39,936,492	793	36,838	36,100,789	980

Table 3 - Summary of Hatchery Participation in the National Poultry Improvement Plan,
1954-55 to 1959-60, inclusive

	1954-55	1955-56	1956-57	1957-58	1958-59	1959-60
Number Hatcheries	3,443	3,157	2,991	2,726	2,717	2,280
Hatching Egg Capacity	369,232,160	369,239,267	383,805,716	388,651,454	401,639,041	375,589,704
Percent Increase No.	-7.50	-8.31	-5.26	-8.85	-1.33	-16.1
or Decrease Cap.	+1.29	+0.02	+3.94	+1.3	+3.34	-6.5
Av. cap. per hatchery	107,241	116,958	128,320	142,572	147,824	164,732
A. M. S. Hatchery No.			5,045		4,257	
Estimate Cap.			528,563,000		530,057,000	
Percent of A. M. S. No.			59.3		63.8	
Estimate Participating Cap.			72.6		75.8	
U. S. Approved No.	<u>1/</u> 3,117	<u>1/</u> 2,886	<u>1/</u> 2,702	<u>1/</u> 2,451	<u>1/</u> 2,360	<u>1/</u> 2,092
and Certified Cap.	340,144,729	343,661,163	353,920,728	355,969,094	368,530,358	347,807,969
Per.	92.12	93.07	92.2	91.6	91.8	92.6
Pullorum Classes No.	<u>2/</u> 326	<u>2/</u> 271	<u>2/</u> 289	<u>2/</u> 275	<u>2/</u> 357	<u>2/</u> 188
Only (no breeding stage) Cap.	29,087,431	25,578,104	29,884,988	32,682,360	33,108,683	27,781,735
Per.	7.88	6.93	7.8	8.4	8.2	7.4
U. S. No.	<u>3/</u> 1,060	<u>3/</u> 639	<u>3/</u> 401	<u>3/</u> 294	<u>3/</u> 227	<u>3/</u> 122
Pullorum-Typhoid Cap.	109,454,970	67,668,265	51,145,814	41,533,422	31,160,402	23,894,478
Passed Per.	29.64	18.33	13.3	10.7	7.8	6.4
U. S. No.	<u>4/</u> 2,383	<u>4/</u> 2,518	<u>4/</u> 2,590	<u>4/</u> 2,432	<u>4/</u> 2,490	<u>4/</u> 2,158
Pullorum-Typhoid Cap.	259,777,190	301,571,002	332,659,902	347,118,032	370,478,639	351,695,226
Clean Per.	70.36	81.67	86.7	89.3	92.2	93.6

1/ Produced U. S. Approved and/or U. S. Certified chicks.

2/ Produced no U. S. Approved or U. S. Certified chicks.

3/ Produced U. S. Pullorum-Typhoid Passed chicks.

4/ Produced U. S. Pullorum-Typhoid Clean chicks.

Table 4 - Summary of Flock Participation in the National Poultry Improvement Plan,
1954-55 to 1959-60, inclusive

	1954-55	1955-56	1956-57	1957-58	1958-59	1959-60
Number Flocks	79,631	68,811	67,457	51,207	50,333	36,838
Number Birds	37,053,120	34,850,004	39,171,386	35,879,800	39,936,492	36,100,789
Percent Increase Flocks	-5.05	-13.59	-1.97	-24.1	-1.7	-26.8
or Decrease Birds	+2.85	-5.95	+12.4	-8.4	+11.3	-9.6
Av. No. Birds per Flock	465	506	581	701	793	980
U. S. Flocks	72,751	63,621	63,905	48,335	47,436	35,104
Approved Birds	31,658,639	29,898,127	34,655,745	31,169,722	35,421,250	32,472,541
Per.	85.44	85.79	88.47	87.0	88.7	90.0
U. S. Flocks	5,161	3,638	2,483	1,213	1,098	641
Certified Birds	2,527,017	1,854,056	1,280,651	1,004,485	956,931	628,572
Per.	6.82	5.32	3.27	3.0	2.4	1.7
Pullorum Classes Flocks	1,719	1,552	1,069	1,659	1,799	1,093
Only (no breeding stage) Birds	2,867,464	3,097,821	3,234,990	3,705,593	3,558,311	2,999,676
Per.	7.74	8.89	8.26	10.0	8.9	8.3
U. S. Flocks	23,002	10,155	4,755	3,208	2,727	1,198
Pullorum-Typhoid Birds	7,247,772	3,576,303	1,816,697	1,713,392	1,758,961	1,170,178
Passed Per.	19.56	10.26	4.64	5.0	4.4	3.2
U. S. Flocks	56,629	58,656	62,702	47,999	47,606	35,640
Pullorum-Typhoid Birds	29,805,348	31,273,701	37,354,689	34,166,408	38,177,531	34,930,611
Clean Per.	80.44	89.74	95.36	95.0	95.6	96.8
No. Flocks	81,444	70,468	67,941	52,516	50,832	37,857
FIRST No. Birds	39,288,860	36,112,781	40,614,440	36,756,760	40,716,266	37,030,568
TEST No. Reactors	40,316	25,529	18,369	11,423	9,920	6,812
Percent Reactors	.10	.07	.045	.03	.024	.018